



Florida Agricultural Statistics Service  
1222 Woodward Street  
Orlando, Florida 32803  
407 / 648-6013

<http://www.nass.usda.gov/fl>

# CITRUS

## JANUARY FORECAST

### MATURITY TEST RESULTS AND FRUIT SIZE



FLORIDA  
AGRICULTURE

January 12, 2005

#### ALL ORANGES LOWERED TO 162.0 MILLION BOXES

The all orange forecast for Florida released today by the USDA Agricultural Statistics Board is reduced 6.0 million boxes to 162.0 million. This is four percent less than last month's forecast and 14 million boxes or eight percent less than the initial forecast in October of 176.0 million. If realized, this will be 80 million boxes or 33 percent less than harvested last season. The reductions are in the early-midseason-Navel portion, down two million to 84.0 million boxes and in the late (Valencia) portion now forecast at 78.0 million.

In the past 10 seasons, the January forecast has differed from the final utilization by an average of 2.8 percent. Final utilization may differ from these forecasts because of the extreme variabilities in average fruit per tree and assumptions made on loss of fruit following the hurricanes this past summer.

#### EARLY-MIDSEASONS NOW 84.0 MILLION BOXES

The early-midseason-Navel forecast is reduced two million boxes to 84.0 million. This is 33 percent less than harvested last season. December is the final or cut-off month for the objective measurements and drop at 18 percent is the second highest since the surveys began in 1960. Observed drop rates are highest in the hurricane paths and can be attributed to the lingering affects of storm conditions and relatively dry

FORECAST DATES 2004-05 SEASON	
February 9, 2005	March 10, 2005
April 8, 2005	May 12, 2005
June 10, 2005	July 12, 2005

weather since. Average fruit sizes are the smallest since the 2000-01 season and one of the smallest on record.

With harvest starting late because of the lagging maturity levels and with a smaller crop, estimated utilization to January 9 is 35 million boxes indicating almost 60 percent of the crop yet to be harvested. With such a low amount of harvest, the row count indicator is not considered usable.

The Navel portion of the forecast is unchanged at 2.5 million boxes. It is anticipated that less than the allocated 1.0 million boxes will be used in gift fruit and local sales.

#### CITRUS PRODUCTION, JANUARY 1, 2005

##### FORECASTS BY VARIETIES AND STATES, WITH COMPARISONS

Crop and State	Production		Forecast	
	2002-03	2003-04	Dec 10, 2004	Jan. 12, 2005

--- 1,000 boxes ---

#### EARLY, MIDSEASON, AND NAVAL ORANGES:

<b>FLORIDA</b>	<b>112,000</b>	<b>126,000</b>	<b>86,000</b>	<b>84,000</b>
California	42,000	38,000	46,000	44,000
Texas	1,350	1,420	1,650	1,500
Arizona	200	300	270	240
<b>Total Above Varieties</b>	<b>155,550</b>	<b>165,720</b>	<b>133,920</b>	<b>129,740</b>

#### VALENCIAS:

<b>FLORIDA</b>	<b>91,000</b>	<b>116,000</b>	<b>82,000</b>	<b>78,000</b>
California	20,000	14,000	16,000	16,500
Texas	220	230	250	250
Arizona	270	170	170	190
<b>Total Valencias</b>	<b>111,490</b>	<b>130,400</b>	<b>98,420</b>	<b>94,940</b>

#### ALL ORANGES:

<b>FLORIDA</b>	<b>203,000</b>	<b>242,000</b>	<b>168,000</b>	<b>162,000</b>
California	62,000	52,000	62,000	60,500
Texas	1,570	1,650	1,900	1,750
Arizona	470	470	440	430
<b>Total All Oranges</b>	<b>267,040</b>	<b>296,120</b>	<b>232,340</b>	<b>224,680</b>

#### SURVEY COMPONENTS USED IN THE FORECAST

Type	Bearing trees	Fruit per tree	Percent droppage	Fruit per box
	(1,000)			
Early-Mid	31,999	863	18	263
Navel	1,862	249	21	138
Valencia	41,208	529	20	214

#### VALENCIA ORANGES NOW 78.0 MILLION BOXES

The Valencia forecast is reduced another 4.0 million boxes to 78.0 million. Average drop is now expected to reach 20 percent as fruit continues to be lost from the effects of the hurricanes. Average fruit size continues to be near the smallest in the last 20 years.

#### FCOJ YIELD 1.56 GALLONS PER BOX

The projection of FCOJ yield per box of all oranges is continued at 1.56 gallons. This projection attempts to project the final yield as reported by the Florida Citrus Processors Association. The early-midseason portion is projected at 1.50 gallons and the late (Valencia) portion at 1.63. Last season's all orange final yield was also 1.56 with the early-midseason portion 1.45 and the late portion 1.69 gallons per box.

## GRAPEFRUIT 13.0 MILLION BOXES

The Florida forecast of grapefruit for certified utilization (including an allocation of 700,000 boxes of gift fruit and local sales) is maintained at 13.0 million boxes. Making up the forecast is 3.0 million boxes of white grapefruit and 10.0 million boxes of colored varieties, both unchanged from last month. If realized, this forecast will be 68 percent less than harvested last season, and the lowest since the 1935-36 season. Assumptions are made based on the fruit per tree number published in the initial October forecast. Final utilization could differ from the forecast if total fruit loss due to the hurricanes is different than those assumptions.

The fruit size and drop measurements obtained in December are the primary indicators for the January grapefruit forecast. The **white** grapefruit forecast remains at 3.0 million boxes. Average fruit size and drop projections for white grapefruit have not changed since November. Compared to the October forecast projected size is smaller and the projected drop rate is more than half again as high as the initial forecast. Estimated utilization to January 1 is 1.0 million boxes, compared to 2.1 million boxes the same time last year.

The **colored** grapefruit forecast is maintained at 10.0 million boxes. Compared to last month, the projected size is slightly smaller, and the drop rate is higher; however, regressions compared to previous years indicate the current forecast will still be realized. The projected size compared to the initial October forecast is 13 percent smaller, and the projected drop rate is twice as high.

### CITRUS PRODUCTION, JANUARY 1, 2005 FORECASTS BY VARIETIES AND STATES, WITH COMPARISONS

Crop and State	Production		Forecast	
	2002-03	2003-04	Dec 10, 2004	Jan 12, 2005
--- 1,000 boxes ---				
Grapefruit:				
<b>FLORIDA-All</b>	<b>38,700</b>	<b>40,900</b>	<b>13,000</b>	<b>13,000</b>
<b>White</b>	<b>16,200</b>	<b>15,900</b>	<b>3,000</b>	<b>3,000</b>
<b>Colored</b>	<b>22,500</b>	<b>25,000</b>	<b>10,000</b>	<b>10,000</b>
Texas	5,650	5,700	5,900	6,200
Arizona	130	140	200	180
California	5,600	5,400	5,200	5,300
<b>Total Grapefruit</b>	<b>50,080</b>	<b>52,140</b>	<b>24,300</b>	<b>24,680</b>
Lemons:				
California	24,000	18,000	19,500	19,500
Arizona	3,000	3,000	2,400	2,400
<b>Total Lemons</b>	<b>27,000</b>	<b>21,000</b>	<b>21,900</b>	<b>21,900</b>
<b>Temples: Florida</b>	<b>1,300</b>	<b>1,400</b>	<b>800</b>	<b>700</b>
<b>Tangelos: Florida</b>	<b>2,350</b>	<b>1,000</b>	<b>1,100</b>	<b>1,100</b>
Tangerines:				
<b>FLORIDA-All</b>	<b>5,500</b>	<b>6,500</b>	<b>4,500</b>	<b>4,500</b>
<b>Early</b> <sup>1/</sup>	<b>3,000</b>	<b>3,600</b>	<b>2,300</b>	<b>2,500</b>
<b>Honey</b>	<b>2,500</b>	<b>2,900</b>	<b>2,200</b>	<b>2,000</b>
California <sup>2/</sup>	2,800	2,700	2,900	2,900
Arizona <sup>2/</sup>	430	690	500	450
<b>Total Tangerines</b>	<b>8,730</b>	<b>9,890</b>	<b>7,900</b>	<b>7,850</b>

Estimated utilization to January 1 is 3.1 million boxes, compared to 7.1 million boxes the same time last year.

### SURVEY COMPONENTS USED IN THE FORECAST

Type	Bearing trees	Fruit per tree	Percent droppage	Fruit per box
	(1,000)			
White Grapefruit <sup>1/</sup>	2,861	109	17	88
Colored Grapefruit	5,366	210	24	100

<sup>1/</sup> Seedless variety only.

### ALL TANGERINES REMAIN AT 4.5 MILLION BOXES

The forecast of all tangerines is continued at 4.5 million boxes. Forecast for the early varieties (**Fallglo and Sunburst**) is raised by 200,000 boxes and the later maturing **Honey** variety is lowered by 200,000 boxes.

The forecast of utilization for early tangerines is raised to 2.5 million boxes, up from last month. **Fallglo** tangerine harvest is complete at slightly more than 600,000 boxes and **Sunburst** tangerines estimated utilization to January 1 is just over 1.7 million boxes, including 150,000 boxes for other use. Early tangerines are beginning to wind down with more than 100,000 boxes harvested the last week of December.

The **Honey** tangerine forecast is lowered to 2.0 million boxes, down from the initial forecast set in October. Size projection is the same as last month; however, drop projection since last month has increased from 40 percent for the harvest season to 50 percent. Although not the highest drop, this year is projected to be higher than eight of the last ten years. Utilization is only in its third week of harvest for Honey tangerines.

### TEMPLES NOW AT 700,000 BOXES

The Temple forecast is lowered by 100,000 boxes to 700,000. If attained, this will be the smallest amount since forecasting Temples began in the 1953-54 season. The change in the forecast is due to a higher drop rate during the last month. The projected drop rate for Temples is at 17 percent, up two percentage points. If attained, this will be higher than any of the past ten years. Average fruit size is consistent with last month's forecast, and compared to the last ten years is slightly below the median.

### TANGELOS STAY AT 1.1 MILLION BOXES

Tangelos remain at 1.1 million boxes after being lowered last month from the initial October forecast of 1.4 million boxes. If realized, it will be only 10 percent larger than last year's tie for a 30 year low with the 1964-65 season utilization of 1.0 million boxes. The smallest crop in this series is 300,000 boxes in 1958-59. Estimated utilization to January 1 is slightly over 730,000 boxes, compared to 640,000 boxes the same time last year.

<sup>1/</sup> Fallglo and Sunburst varieties.

<sup>2/</sup> Includes tangelos.

**UNADJUSTED MATURITY TESTS: Average of regular bloom fruit from sample groves, 2003-04 and 2004-05 seasons**

Fruit type (No. groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05
	<i>Percent</i>		<i>Percent</i>				<i>Pounds</i>		<i>Pounds</i>	
Juice and solids per box are unadjusted and not comparable to plant test results.										
<b>ORANGES:</b>										
Early (54-87)										
Sep 1	1.24	1.62	9.26	9.28	7.58	5.83	42.32	42.43	3.92	3.93
Oct 1	0.86	1.09	9.69	9.24	11.49	8.64	49.53	48.64	4.80	4.49
Nov 1	0.76	0.83	10.46	9.85	14.07	12.10	51.32	51.83	5.37	5.11
Dec 1	0.67	0.74	11.36	10.66	17.26	14.59	50.88	51.43	5.77	5.49
Jan 1	0.67	0.72	11.53	11.26	17.60	15.86	49.24	51.37	5.69	5.78
Mid (41-45)										
Sep 1	1.45	1.82	9.33	9.02	6.52	5.05	44.19	42.05	4.13	3.79
Oct 1	1.06	1.26	9.73	8.98	9.30	7.22	49.08	49.61	4.78	4.45
Nov 1	0.89	0.94	10.71	9.49	12.20	10.29	52.25	53.48	5.59	5.08
Dec 1	0.78	0.83	11.72	10.55	15.29	12.83	52.09	51.67	6.10	5.45
Jan 1	0.80	0.82	12.04	11.19	15.40	13.76	51.37	53.07	6.18	5.94
Late (150-144)										
Sep 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oct 1	2.01	2.43	8.92	8.64	4.47	3.59	46.28	46.50	4.13	4.02
Nov 1	1.63	1.92	9.55	8.84	5.91	4.64	51.07	50.23	4.88	4.44
Dec 1	1.40	1.56	10.38	9.73	7.53	6.29	53.45	53.16	5.55	5.17
Jan 1	1.26	1.39	11.13	10.46	8.94	7.56	53.39	53.98	5.95	5.64

NOTICE: All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8-inch orifice tube. The beam settings are also identical to past tests and no restrictors are used.

**MATURITY TEST AVERAGES BY AREAS, JANUARY 1, 2005**

Fruit type	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>		<i>Pounds</i>	<i>Pounds</i>
<b>ORANGES:</b>						
Early						
Indian River Dist.	6	0.77	11.26	14.73	49.62	5.58
Other Areas	81	0.72	11.26	15.94	51.50	5.80
Midseason						
Indian River Dist.	9	0.86	11.26	13.15	53.69	6.06
Other Areas	36	0.81	11.17	13.91	52.92	5.91
Late						
Indian River Dist.	23	1.37	10.38	7.63	53.92	5.59
Other Areas	121	1.40	10.47	7.54	53.99	5.65

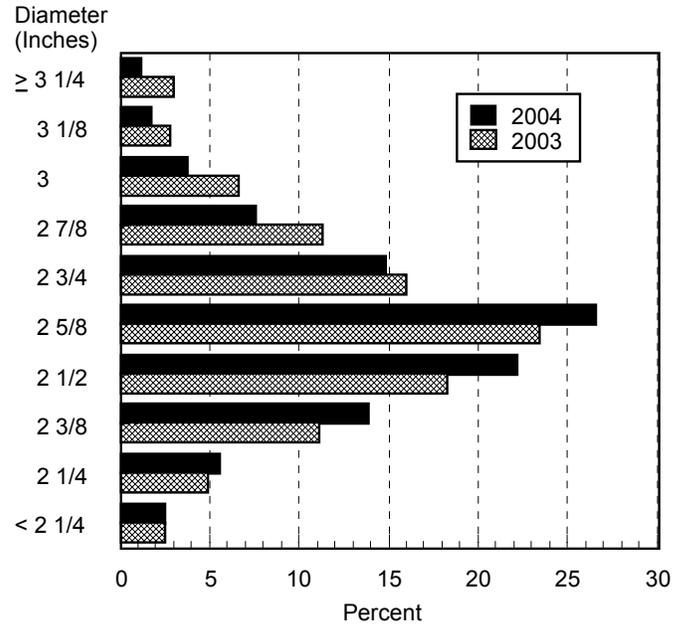
## FRUIT SIZE COMPARISONS BY TYPES TO PREVIOUS SEASONS

Size frequency distributions are from the December size survey conducted in sample groves during the period of December 6 through 23, 2004. The distributions are by percent from fruit within the size range of each 4/5 bushel container. These frequency distributions relate only to fruit from spring bloom and exclude summer bloom fruit in all seasons.

<b>FLORIDA CITRUS: Size frequency distributions from December measurements</b>			
Type of fruit and size in 4/5-bushel containers	2002	2003	2004
--- Percent ---			
<b>Early and midseason oranges: (excluding Navels)</b>			
64 and larger	6.7	4.3	1.8
80	23.0	13.4	8.1
100	37.9	32.5	30.5
125	23.0	31.2	37.6
163 and smaller	9.4	18.6	22.0
<b>Valencia oranges:</b>			
64 and larger	13.3	8.2	1.5
80	35.1	26.6	12.6
100	36.8	41.0	40.1
125	12.7	19.3	32.9
163 and smaller	2.1	4.9	12.9
<b>White seedless grapefruit:</b>			
32 and larger	33.0	13.6	14.9
36	22.3	20.4	22.2
40	20.1	24.9	25.4
48	11.3	16.2	16.5
56	6.0	9.6	10.3
63 and smaller	7.3	15.3	10.7
<b>Colored seedless grapefruit:</b>			
32 and larger	20.5	8.6	7.6
36	22.2	16.1	15.5
40	23.3	25.7	25.2
48	15.9	20.6	22.0
56	7.8	12.9	13.5
63 and smaller	10.3	16.1	16.2
<b>Honey tangerines:</b>			
80 and larger	29.4	40.8	15.3
100	34.2	32.7	31.6
120	23.4	16.7	33.5
176	7.3	4.7	9.9
210 and smaller	5.7	5.1	9.7
<b>Templets:</b>			
80 and larger	62.6	31.3	25.4
100	28.6	36.9	47.8
120	7.1	19.4	23.7
156 and smaller	1.7	12.4	3.1

The charts below describe the relationships of the fruit size measurements with those taken in the previous year. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

**CHART 1: Early and midseason oranges (excluding Navels) size frequency by diameter from December measurements.**



**CHART 2: White seedless grapefruit size frequency by diameter from December measurements.**

